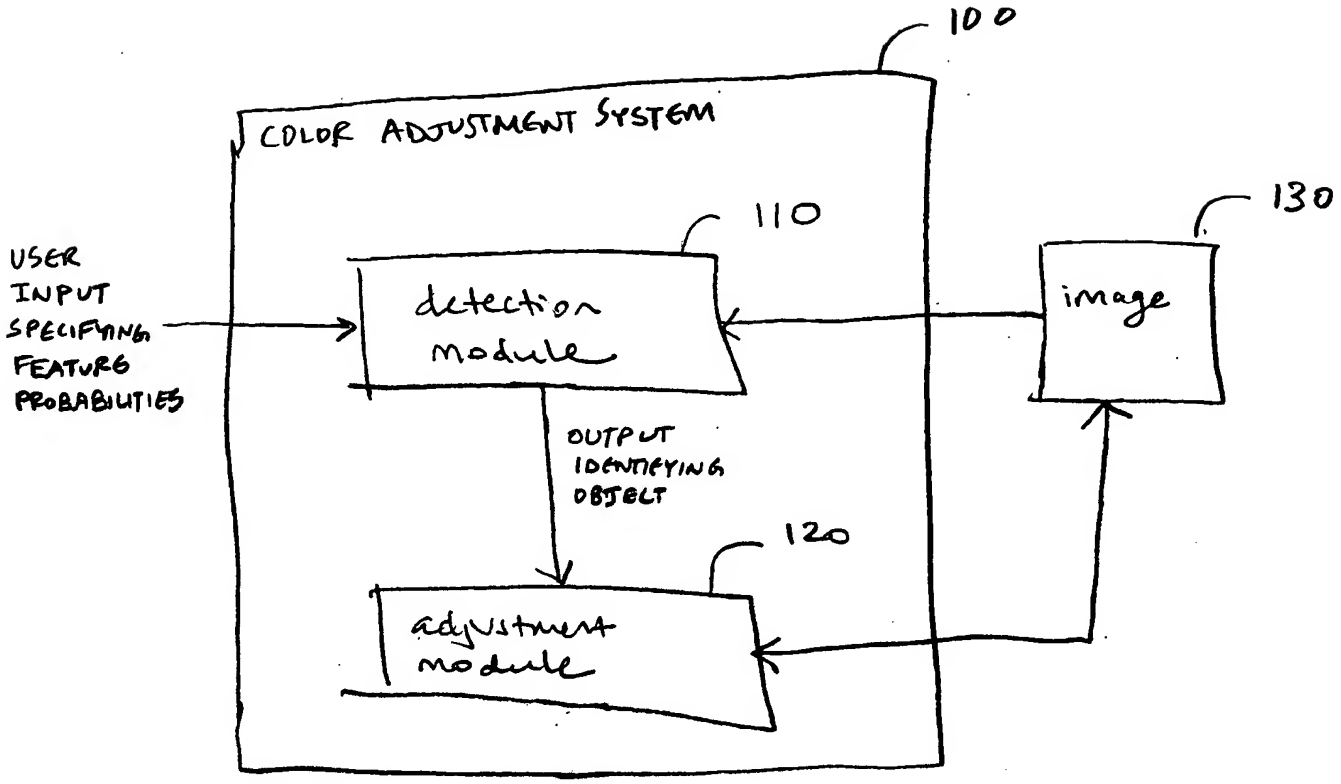
100
COLOR ADJUSTMENT SYSTEM
110
130
USER INPUT SPECIFYING FEATURE PROBABILITIES
detection module
image
OUTPUT IDENTIFYING OBJECT
120
adjustment module

FIG. 1

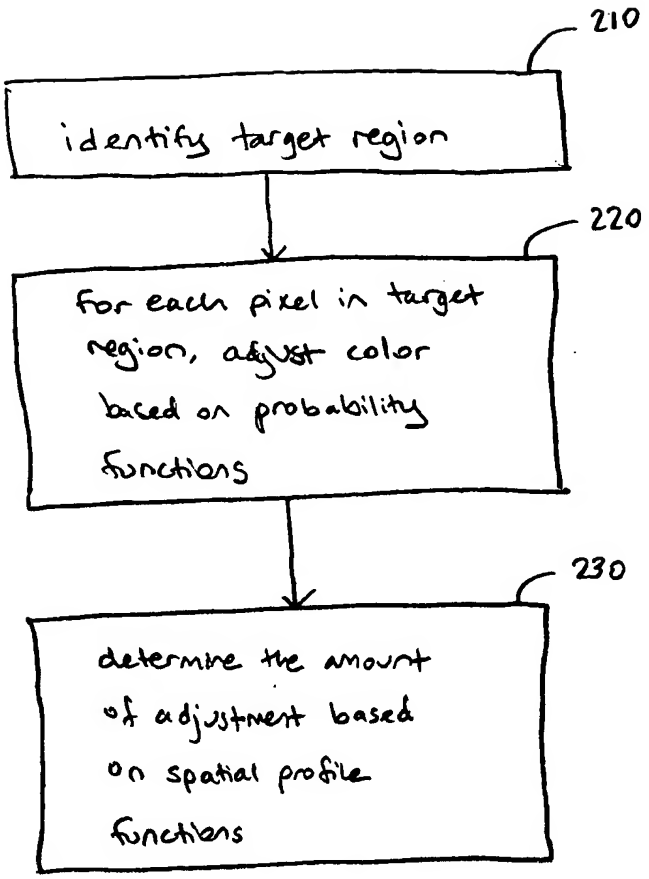
210
identify target region
220
For each pixel in target region, adjust color based on probability functions
230
determine the amount of adjustment based on spatial profile functions

FIG. 2

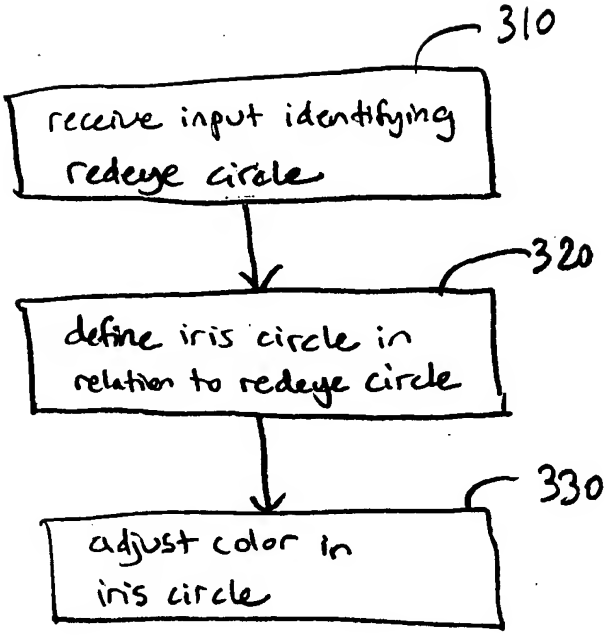
310
receive input identifying redeye circle
320
define iris circle in relation to redeye circle
330
adjust color in iris circle

FIG. 3

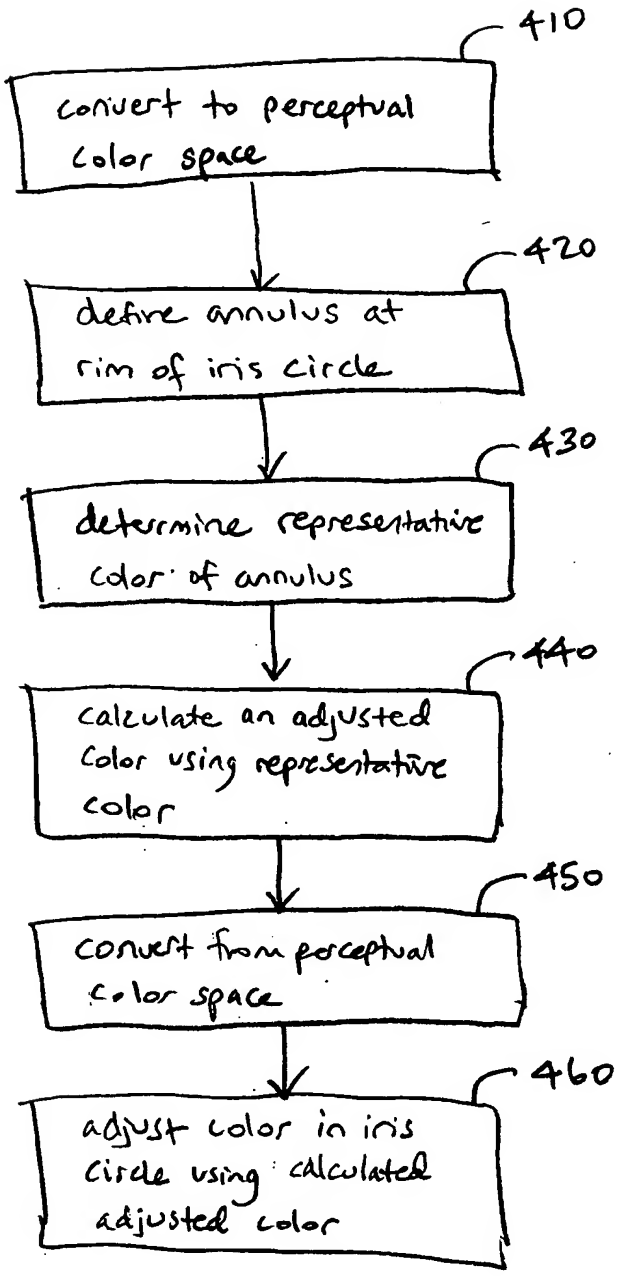
410
convert to perceptual color space
420
define annulus at rim of iris circle
430
determine representative color of annulus
440
calculate an adjusted color using representative color
450
convert from perceptual color space
460
adjust color in iris circle using calculated adjusted color

FIG. 4

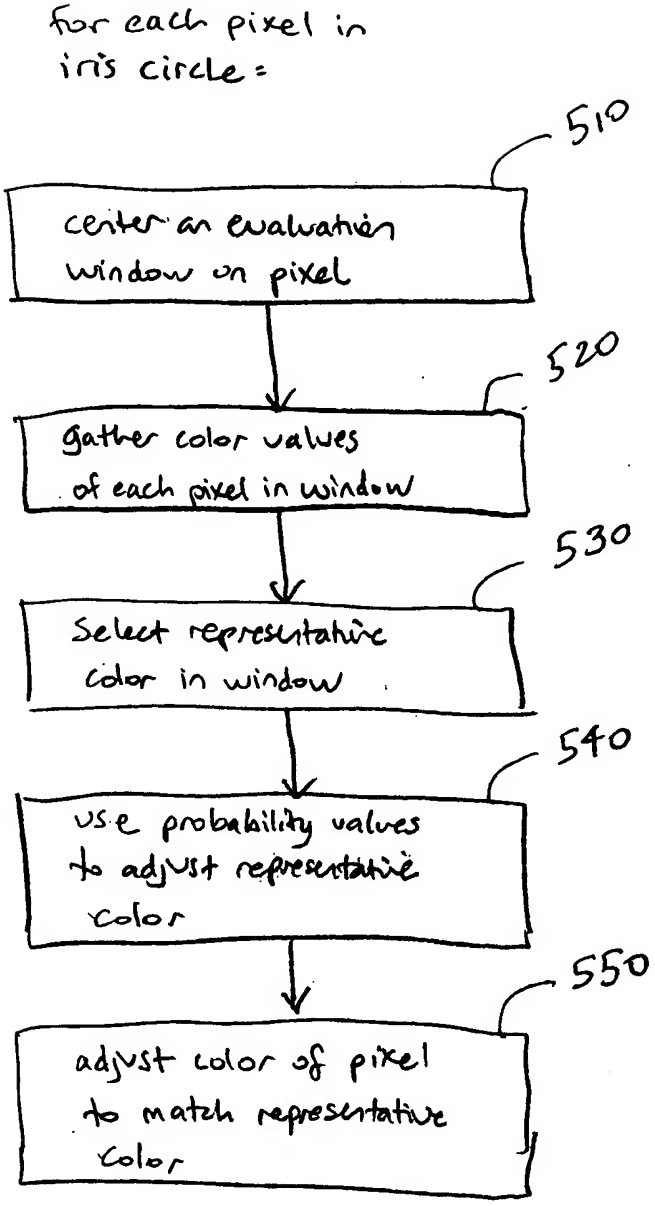
for each pixel in iris circle =
510
center an evaluation window on pixel
520
gather color values of each pixel in window
530
Select representative color in window
540
use probability values to adjust representative color
550
adjust color of pixel to match representative color

FIG. 5